bio-protocol Preprint

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Preparation of bovine serum albumin (BSA)-conjugated palmitic acid

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An abbreviated version of this protocol was published in BMC Nephrology in Jun 2021

Adiponectin protects obesity-related glomerulopathy by inhibiting ROS/NF-κB/NLRP3 inflammation pathway

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Detailed protocol

Palmitic acid（0.01392g）was first dissolved in pure water（10ml）to a final concentration of 5 mM with robust shaking at 70 °C for at least 30 min. Once dissolved, the solution was mixed with a filtered 5 % fatty acid- and endotoxin-free BSA（0.5g）solution in 10ml phosphate buffer saline (PBS) pre-heated at 70 °C to a final concentration of 2.5 mM. Aliquots of the 2.5 mM stock solution were kept at -20 °C for further use.

How to cite:（Readers should cite both the Bio-protocol preprint and the original research article where this protocol was used）

1. Hua, F. (2022). Preparation of bovine serum albumin (BSA)-conjugated palmitic acid. Bio-protocol Preprint. bio-protocol.org/prep1642.
2. Xu, X., Huang, X., Zhang, L., Huang, X., Qin, Z. and Hua, F.(2021). Adiponectin protects obesity-related glomerulopathy by inhibiting ROS/NF-κB/NLRP3 inflammation pathway. BMC Nephrology 0(0). DOI: 10.1186/s12882-021-02391-1

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